

Northrop Grumman 2018 Environmental, Social and Governance Performance Data Matrix

TOPIC	UNITS	GRI G4 INDICATOR	2016	2017	GRI STANDARDS DISCLOSURE	2018
Company Data						
Sales	\$ millions USD	-	24,706	26,004	102-7	30,095*
Number of employees (employee headcount as of December 31 of each calendar year)	-	-	67,000	70,000	102-7	85,000*
Floor space	Thousand square feet	-	34,112	35,379	102-7	52,283*
Corporate Citizenship / Community						
Direct community investment through philanthropy [a]	\$ millions USD	-	26.3	30.8	201-1	28.4
Company charitable grants - Education (Target 50%)	%	-	52	56	201-1	54
Company charitable grants - Military and Veterans (Target 25%)	%	-	15	14	201-1	16
Company charitable grants - Health and Human Services (Target 20%)	%	-	14	12	201-1	10
Company charitable grants - Environment (Target 5%)	%	-	4	4	201-1	3
Company in-kind contributions	\$ millions USD	-	3.2	0.428	201-1	3.1
London Benchmarking Group – Charitable donations (Company and Foundation)	%	-			201-1	25
London Benchmarking Group – Community Investments (Company and Foundation)	%	-			201-1	75
Employee giving [b]	\$ millions USD	-	3.4	4.1		3.7
Employee volunteerism	Hours	-	68,969	63,453		61,161
Middle school students impacted by qualifying educator professional development programs (Target 350,000 students by 2030) [c]	Individual students	-	10,660	16,760		125,000
Ethics and Integrity						
OpenLine inquiries	-	-	898	1,092	102-17	1,011
OpenLine allegations	-	-	1,300	1,571	102-17	1,562
Engagement, Diversity & Inclusion						
Total population - male	%	-	73.1	73.4	405-1	73.5
Total population - female	%	-	26.9	26.6	405-1	26.5
Total population - People of Color	%	-	33.1	34.5	405-1	35.5
Total population - veterans	%	-	20.1	20	405-1	19.6
Total population - personnel with disabilities	%	-	6	7.1	405-1	7.4
Management population - male	%	-	74.8	73.7	405-1	72.9
Management population - female	%	-	25.2	26.3	405-1	27.1
Management population - People of Color	%	-	23.1	25.2	405-1	26.3
Senior executive population - female - d	%	-	50	52.6	405-1	33.2
Senior executive population - People of Color - [d]	%	-	24.1	21.1	405-1	17.6
Environment						
CORPORATE EHS AND MANAGEMENT SYSTEMS AUDIT	Sites audited	G4-DMA	19	24	103	26
ISO 140001 CERTIFIED SITES	Sites certified	G4-EN8	22	24	103	23
SIGNIFICANT FINES AND PENALTIES	\$, shown in year paid	G4-EN29	0	0	307-1	0
HAZARDOUS WASTE	Tons	G4-EN25	1,306	1,460	306-2	1,838
TOXIC RELEASE INVENTORY	Tons	G4-DMA	39.8	29.4	103	N/A
NONHAZARDOUS SOLID WASTE						
Reuse	Tons	G4-EN23	41.2	62.84	306-2	145
Recycling	Tons	G4-EN23	11,857	13,468	306-2	12,326
Composting	Tons	G4-EN23	551.47	494.77	306-2	685
Recovery (including energy recovery)	Tons	G4-EN23	786.54	325.59	306-2	344
Landfill	Tons	G4-EN23	8,854	8,462	306-2	8,209
Diversion Rate	%	-	59.9	62.9	306-2	62.2

TOPIC	UNITS	GRI G4 INDICATOR	2016	2017	GRI STANDARDS DISCLOSURE	2018
ENERGY [e]						
Electricity consumption	Megawatt hours	G4-EN3	1,093,419	1,105,882	302-1	1,090,559
Renewable energy use	Megawatt hours	G4-EN3	22,227	22,111	302-1	22,017
Energy intensity	MWH/per USD sales	G4-EN5	0.00004426	0.00004253	302-3	0.00004066
EMISSIONS [e]						
Direct (Scope 1) greenhouse gas emissions	Tonnes CO2e	G4-EN15	130,431	140,951	305-1	134,068
Indirect (Scope 2) location-based greenhouse gas emissions	Tonnes CO2e	G4-EN16	402,842	370,140	305-2	365,559
Carbon offsets	Tonnes CO2e	G4-EN19	11,000	11,000		11,000
Total GHG Emissions (location-based, includes carbon offsets)	Tonnes CO2e		522,274	500,091		488,627
Greenhouse gas emission intensity (Scope 1 and Scope 2 - location based)	Tonnes CO2e/per USD sales	G4-EN18	0.00002114	0.00001923	305-4	0.00001822
Reduction of greenhouse gas emissions (from 2010 base year)	%		28.70%	31.80%	305-5	33.30%
WATER						
Water Withdrawal (potable) - Total	Gallons	G4-EN8	873,883,001	873,297,454	303-3	872,661,286
Water withdrawal source (potable) – Surface Water	Gallons	G4-EN8	0	0	303-3	0
Water withdrawal source (potable) – Groundwater	Gallons	G4-EN8	125,906,386	149,801,818	303-3	163,790,149
Water Withdrawal source (potable) – Municipal Supply	Gallons		747,976,616	723,495,636	303-3	708,871,137
Water Withdrawal (potable & nonpotable) – Total	Gallons	G4-EN8	886,570,017	880,121,939	303-3	891,835,914
Water Withdrawal source (nonpotable) – Municipal Reclaimed	Gallons	G4-EN8	12,599,100	6,749,492	303-3	19,124,747
Water withdrawal source (nonpotable) – Rainwater	Gallons	G4-EN8	87,916	74,993	303-3	49,881
Health and Safety						
Work-related fatalities	Total	G4-LA6	0	0	403-9	0
Total Case Rate	Per 100 workers	G4-LA6	0.9	0.91	403-9, 403-10	0.85
Employee Lost Work Day Rate	Per 100 workers	G4-LA6	9.91	10.6	403-9, 403-10	10.34
Days Away Case Rate	Per 100 workers	G4-LA6	0.25	0.26	403-9, 403-10	0.25
Governance						
Number of Members on Board of Directors	-	-	14	13	102-18	13
Number of independent Directors on Board	-	-	13	12	102-18, 102-22	11
Women / minority independent Directors (Number;%)	-	-	5 (36%)	5 (38%)	102-22, 405-1	6 (46%)
Research and Development and Innovation						
Company-Sponsored R&D Expenses	\$ millions USD	-	705	639	201-1	764
Supply Chain						
Small Business	%	-	38	39.7	102-9	37.3
Small Disadvantaged Business (SDB)	%	-	5	5.8	102-9	4.3
Women-Owned Small Business (WOSB)	%	-	8.3	9.7	102-9	7.4
HUBZone Small Business	%	-	2.1	2.4	102-9	2.4
Veteran-Owned Small Business (VOSB)	%	-	5.5	5	102-9	5
Service-Disabled Veteran-Owned Small Business (SDVOSB)	%	-	2.6	2.8	102-9	2.4
Talent Management						
Veteran new hires	%	-	24.3	24.6	-	26.2
Persons with disabilities new hires (Target 7%)	%	-	9.5	10.8	-	12.1
U.S. employees covered by collective bargaining agreements	%	-	3.7	3.3	102-41	3.5

[a] Includes investments from Northrop Grumman and the Northrop Grumman Foundation; excludes donations from Northrop Grumman to the Northrop Grumman Foundation

[b] Includes giving through ECHO, matched gifts and employee fundraising

[c] Calculation based on teacher maintaining active teaching status or in a school-based setting for three years post professional development experience

[d] Executives who report directly to the Chief Executive Officer

[e] Refer to CDP Climate Change disclosure for more detailed information

* Quantitative data in this report represents legacy Northrop Grumman operations only and does not include our Innovation Systems sector, unless otherwise noted with an asterisk.